

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07626 - Goat Anti-OGT Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** OGT, O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), FLJ23071, HRNT1, MGC22921, O-GLCNAC, O-GlcNAc transferase p110 subunit O-linked GlcNAc transferase, uridinediphospho-N-acetylglucosamine:polypeptide beta-N-acetylglucosaminyl transferase

**Official Symbol:** OGT

**Accession Number(s):** NP\_858058.1; NP\_858059.1

**Human GeneID(s):** [8473](#)

**Non-Human GeneID(s):** 108155 (mouse), 26295 (rat)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_858058.1 and NP\_858059.1)

### Immunogen

Peptide with sequence C-YEHPKDLKLSGDR, from the internal region of the protein sequence according to NP\_858058.1; NP\_858059.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 110kDa band observed in Pancreas lysates from Rat (calculated MW of 117kDa according to NP\_858058.1. Recommended concentration: 0.05-0.2µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 60kDa. This band was successfully blocked by incubation with the immunising peptide.

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

EB07626 (0.05µg/ml) staining of Rat Pancreas lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07626 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.